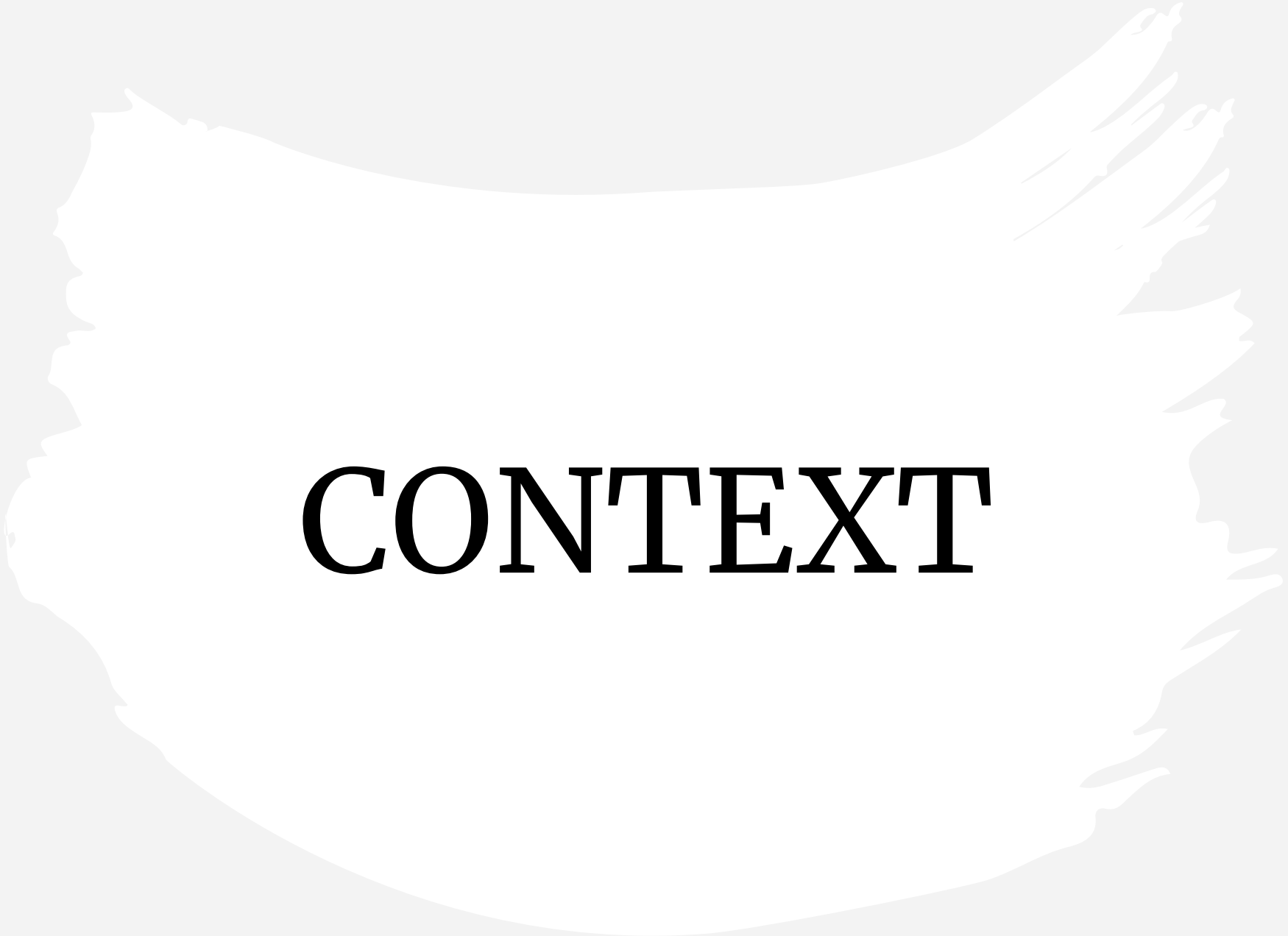


Making Computer-Generated Animated Videos to Illustrate the Neurological Examination

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CONTEXT

Digital tools + Neurological Exam



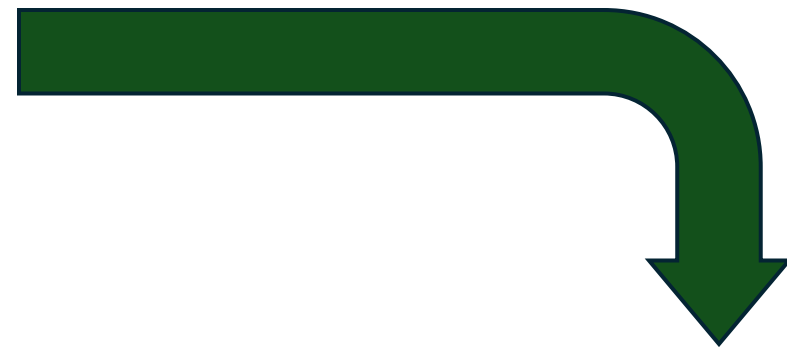
Source: Digital Schools¹ & Atlanta Neurology²

3D Animation Software

POSER[®] 13

Easily Create 3D Character Art and Animation

Repeated coding needed




Daz3D

Efficiency!

Objectives

- Create videos of the neurological examination using commercially available 3D animation tools
- Facilitate changing aspects of the videos
- Streamline the animation process



**DESCRIPTION
OF INNOVATION**

Poser vs Daz 3D

POSER

- Multiple vignettes
- Unique physical appearance & exam findings
- Built separately

Daz 3D

- Exam coded onto female character
- Movements & positions copied to different figure

Examples



Evaluation of Innovations

- Movements successfully copied & pasted onto different character of different size & appearance
- Deemed visually appropriate for the new character by the project investigator

Discussion

- Streamline process of creating animations to use in medical education
- PBL, clinical skills examinations, lectures, and more!
- Future projects → Student feedback!

Image Citations

- 1.Importance of Using Digital Tools in Education – DigitAll Schools.
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<https://www.daz3d.com/>